

MATERIALS FOR A FLORA OF TURKEY, XVI:  
GERANIACEAE, LINACEAE

P. H. DAVIS

GERANIACEAE

**Geranium molle** L. subsp. **brutium** (Gasp.) Davis, **comb. et stat. nov.**

Syn.: *G. brutium* Gasp., Rend. Ac. Sc. Nap. 1: 882 (1867).

W Anatolia, Balkans, S Italy. This taxon, distinctive enough in its typical form, is not always clearly separable from large-flowered forms of subsp. *molle*.

**G. tuberosum** L.

subsp. **tuberosum**. Mediterranean area and eastwards to W Iran.

subsp. **deserti-syriacum** P. H. Davis, **subsp. nov.**

A subsp. *tuberoso* ramis inflorescentiae latissime divaricatis altitudine caulis infra bifurcationem latioribus, segmentis foliorum caulinarum simpliciter breviter pinnatifidis vel dentatis, sepalis haud vel vix villosis mucrone brevissimo (0.2-0.3 mm) provisus recedit.

TURKEY: C7 Urfa: Urfa to Akçakale, 16 km from Urfa, 500 m, Davis 28083 (holo. E!).

SYRIA: S of Homs, Davis 5593! Env. de Hammah, 450 m, Haradjian 1873! Aleppo, 1841, Kotschy!

Specimens lack rhizomes and basal leaves.

**G. stepporum** P. H. Davis, **spec. nov.** (Sect. *Tuberosa*).

Syn.: *G. tuberosum* L. var. *linearifolium* Boiss., Fl. Or. 873 (1867) quoad pl. persicas, excl. syn.

A *G. tuberoso* L. caule distante infra bifurcationem primum aequalem pare foliorum oppositorum conspicue petiolatorum obsito, segmentis linearibus vel oblongo-linearibus, semper aequaliter dentatis vel breviter incis (dentibus utrinque 3-7) vel etiam subintegris, rostro mericarpiorum in stylo paulo longiore (1-2 mm) attenuato recedit. Fl. 4-6.

TURKEY: Armenia, Calvert & Zohrab! Kurdistan, 1840, Brant & Strangways! A5 Samsun: Ladik station, 900 m, Tobey 961! A9 Kars: Kars, 1800 m, Davis 29563! B6 Sivas: Sivas, Maunsell! B7 Tunceli: 5 km N of Pülümür, 2000 m, It. Leyd. 1959: 1633! Malatya: Kube Dağ (Malatya-Pütürge) 1730 m, Huber-Morath 10322. B8 Erzurum: Pasinler to Horasan, 1700 m, Davis 29466 (holo. E!). Yozgat: Akdağmadeni, Aktaş, Curtis 147! C4 Konya: Konya to Çumra, 980 m, Helbaek 2451!

IRAN: Luristan, Burujird, 1500-1800 m, Trott 1192! Kuh-i-Dachta, Stapf 826! Kuh Barf by Schiraz, Stapf 2021! Schiraz, Kotschy 990! Nr Tabriz, Gilliat-Smith 1927! Nr Tehran, Trott 220! Ispahan, Aucher 4301!

N IRAQ: Shaqlawah, *Wheeler Haines!*

U.S.S.R. (Transcaucasia): Armenia, *Szowits!*

A critical species that is somewhat intermediate between *G. tuberosum* and *G. transversale* (Kar. & Kir.) Vved. *G. stepporum* differs from the latter (which is probably better treated as a subspecies of *G. linearilobum* DC.) in having a pair of leaves (instead of a solitary leaf) below the first, equally developed bifurcation, less deeply incised leaf-segments, and slightly shorter style.

I intend to publish shortly a revision of Sect. *Tuberosa* throughout its range.

**G. asphodeloides** Burm. fil. subsp. **sintenisii** (Freyn) Davis, **subsp. nov.**

Syn.: *G. sintenisii* Freyn in Bull. Herb. Boiss. 3: 104 (1895).

*G. wiedemannii* P. H. Davis in Notes R. B. G. Edinb. 22: 25 (1955).

Probably confined to N Anatolia, where it shows some intergradation with the more widespread subsp. *asphodeloides* (*G. pallens* Bieb., *G. tauricum* Rupr.).

**G. cinereum** Vac. subsp. **subcaulescens** (L'Hérit. ex Dc.) Hayek var. **elatus** P. H. Davis, **var. nov.**

A var. *subcaulescens* caulibus elatis 30–50 cm altis erectis, 3–12-floris, foliis basalibus magnis 4–5 cm diam. recedit. Petalae roseo-lilacinae, immaculatae.

TURKEY: B6 Maraş: d. Göksun, Hübek Dağ, 2000 m, among shady rocks, Davis 20169 (holo. E! iso. K!).

Only known from the type locality in the Anti-Taurus. A sturdy plant which keeps its diagnostic characters in cultivation at Edinburgh.

**Erodium absinthoides** Willd.

subsp. **absinthoides**. C Anatolia, Turkish Armenia.

subsp. **armenum** (Trautv.) Davis, **stat. nov.**

Syn.: *E. absinthoides* var. **armenum** Trautv. in Acta Horti Petrop. 2: 517 (1873).

Turkey (Kurdistan, Upper Euphrates), Soviet Armenia.

subsp. **latifolium** (Davis & Roberts) Davis, **stat. nov.**

Syn.: *E. absinthoides* var. **latifolium** Davis & Roberts in Notes R. B. G. Edinb. 22: 17 (1955).

Turkey (Lazistan).

subsp. **haradjianii** (Davis) Davis, **comb. et stat. nov.**

Syn.: *E. haradjianii* P. H. Davis in Arkiv för Botanik ser 2, 5: 274 (1959).

Turkey (Amanus).

**E. sibthorpiunum** Boiss.

subsp. **sibthorpiunum**. Bithynian Olympus (Ulu Dağ).

subsp. **vetteri** (Barbey & Fors.-Maj.) Davis, **comb. et stat. nov.**

Syn.: *E. vetteri* Barbey & Fors.-Maj. in Stefani et al., Samos. 36, t. 2 (1891).

Island of Samos.

***E. cedrorum* Schott. & Ky.**

subsp. ***cedrorum***. Cilician Taurus, Anti-Taurus, Amanus.

subsp. ***salmoneum*** (Davis & Roberts) Davis, **comb. et stat. nov.**

Syn.: *E. salmoneum* Davis & Roberts in Notes R. B. G. Edinb. 22: 14 (1955).

Turkey (Isaurian Taurus, Anti-Taurus).

LINACEAE

***Linum tauricum* Willd. subsp. *bosphori* P. H. Davis, subsp. nov.**

A subsp. *taurico* foliis turionum sterilius brevioribus, caulibus floriferis rosula basalia persistente provis, cymis magis divaricatis, sepalis plerumque minus attenuatis.

TURKEY: A2 (E) Istanbul: collines sèches, près de Halkali, 21 v, 18 vi 1907, *Aznavour* (holo. G!); Istanbul to Terkos, Aznavurköy—Çilingirköy, *Demiriz* 4617! A2(A) Istanbul: Riva, 12 vi 1893, *Aznavour*!

This plant was wrongly referred by Aznavour and Rechinger (Feddes Rep. Beih. 98: 21, 1938) to *L. elegans* Spruner ex Boiss. var. *elatus* Hal.

***L. mucronatum* Bertol.**

subsp. ***armenum*** (Bordz.) Davis, **comb. nov.**

Syn.: *L. orientale* Boiss. subsp. *armenum* Bordz. in Acta Hort. Bot. Jurjev. 13- 20 (1912).

*L. balansae* Boiss., Fl. Or. 1: 855 (1867) excl. pl. Haussknechtiana.

Inner Anatolia, N Iraq, NW Iran, Syrian Desert (Dj. Sindjar), Transcaucasia.

subsp. ***gypsicola*** P. H. Davis in Notes R. B. G. Edinb. 22: 156 (1957)

var. ***papilliferum*** (Hub.-Mor. & Reese) Davis, **comb. et stat. nov.**

Syn.: *L. papilliferum* Hub.-Mor. & Reese in Feddes Rep. 52 (1): 45 (1943).

Known only from C2 Muğla: Fethiye—Dirmil, and differing from var *gypsicola* (from Çankiri) only in its papillose-puberulent indumentum.

subsp. ***syriacum*** (Boiss.) Davis, **comb. et stat. nov.**

Syn.: *L. syriacum* Boiss. & Gaill. ex Boiss., Fl. Or. 1: 856 (1867).

*L. sulphureum* Boiss. & Hausskn. ex Boiss., Fl. Or. 1: 857 (1867)

subsp. *syriacum* (Boiss.) Davis in Notes R. B. G. Edinb. 22: 157 (1957).

Anti-Lebanon.

subsp. ***pubifolium*** (Davis) Davis, **comb. nov.**

Syn.: *L. sulphureum* Boiss. & Hausskn. ex Boiss. subsp. *pubifolium* Davis, in Notes R. B. G. Edinb. 22: 157 (1957).

N Iraq.

It is no longer possible to treat *L. sulphureum* and its variants as specifically distinct from *L. mucronatum*—the position adopted in my earlier account (1957). The type of *L. sulphureum* can apparently be equated with *L. mucronatum* subsp. *mucronatum*.

***L. flavum* L. subsp. *scabrinerve* (Davis) Davis, comb. et stat. nov.**

Syn.: *L. scabrinerve* P. H. Davis in Notes R. B. G. Edinb. 22: 158 (1957).

Turkey (C Anatolia & Paphlagonia). Subsp. *flavum* is mainly European.

***L. hirsutum* L. subsp. *pseudoanatolicum* P. H. Davis, subsp. nov.**

Syn.: *L. hirsutum* subsp. *anatolicum* (Boiss.) Hayek var. *eglandulosum* P. H. Davis in Notes R. B. G. Edinb. 22: 142 (1957).

A subsp. *anatolico* foliis eglandulosis (saepe glabris et magis attenuatis), indumento caulium brevior, glandulis calycinis dimidio superiore restricto recedit.

TURKEY: A4 Çankiri: Kalecik to Çankiri, nr Tuney. Davis 21455! A5 Amasya: 17 km from Merzifon to Havsa, 700 m, Coode & Jones 1955! B2 Kütahya: Gediz to Çavdahir, 1100 m, Davis 36991! B3/C3 Afyon: 10 km, S of Dinar, Sorger T-62-27-4! B4 Ankara: 20 miles from Ankara to Polatli, 900 m, Coode & Jones 2216! B5 Nevşehir: Kırşehir to Gulşehir (Arapsun), 500 m, McNeill 192! B6 Maraş: above Elbistan, Stainton & Henderson 5667! C2 Denizli: Denizli to Çardak, 15 miles from Denizli, Dudley, D 35589! C3 Burdur: 5 km S of Burdur, Sorger T-63-43-70! C5 Kayseri: Bakır Da. above Kisse, 1500 m, 28 vi 1953, Davis Dodds & Çetik, D. 19317 (holo. E! iso. K!).

Broadly sympatric with subsp. *anatolicum* (readily distinguished by its gland-margined leaves) but usually growing in different localities.

***L. empetrifolium* (Boiss.) Davis, stat. nov.**

Syn.: *L. carnosulum* Boiss. var. *empetrifolium* Schott & Kotschy ex Boiss., Fl. Or. 1: 864 (1867).

Only known from the alpine zone of the Cilician Taurus. Despite its pedicels recurving in fruit (which needs confirmation on living material), this plant seems to be nearer *L. obtusatum* (Boiss.) Stapf than *L. carnosulum* Boiss. from alpine Lebanon. *L. empetrifolium* differs from the former in its dwarf stature (2-6 cm), obtuse but mucronulate median leaves with a prominent nerve below, and apparently nodding fruits.

***L. austriacum* L. subsp. *glaucescens* (Boiss.) Davis, stat. nov.**

Syn.: *L. glaucum* Boiss. & Noë in Boiss., Diagn. ser 2 (5): 66 (1856).

*L. alpinum* Jacq. var. *glaucescens* Boiss., Fl. Or. 1: 865 (1857).

*L. austriacum* L. var. *glaucescens* (Boiss.) Davis, in Notes R. B. G. Edinb. 22: 139 (1957).

Inner Anatolia, W & NW Iran.

Differing from subsp. *austriacum* (*L. squamulosum* Rudolph) in its larger (especially broader) leaves, and larger flowers and capsules, the latter being broadly ovoid instead of subglobose.